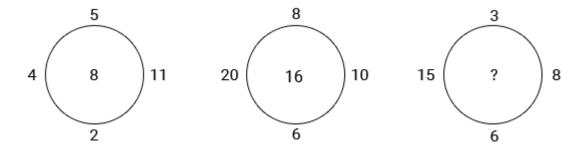


Inserting the missing character





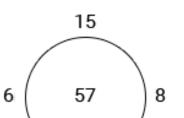
Explanation: The pattern is : (62+28)/10 = 9; (18+52)/10 = 7.

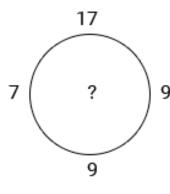
So, missing number =
$$(x + 32)/10 = 16$$
,

$$X = 128$$



3 33 5_.





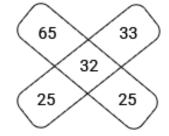
Explanation: The pattern is: (12×4) - (5×3) = 33,

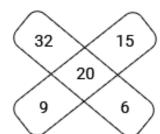
$$(15\times7) - (8\times6) = 57.$$

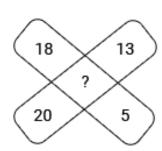
$$\therefore$$
 Missing number = $(17 \times 9) - (9 \times 7) = 90$.











(a) 18

(b) 20

(c) 23

(d) 25

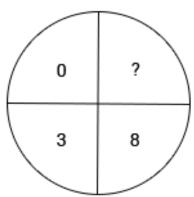
Explanation: The pattern is: (65+25) - (33+25) = 32,

$$(32+9)-(15+6)=20.$$

So, missing number = (18+20)-(13+5)=20.

So answer is option b.





Explanation: Going anticlockwise starting from 0, the terms are:

$$1^2$$
 - 1, 2^2 - 1, 3^2 - 1.

So, missing number =
$$4^2 - 1 = 15$$
.

So answer is option b.



17	16	15
52	39	26
29	44	59
37	?	45

(a) 41

(b) 43

(c) 31

(d) 40

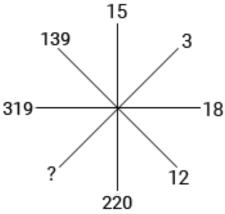
Explanation: In the each row middle term is average of extreme terms

$$(17+15)/2 = 16, (52 + 26)/2 = 39.$$

So, missing number =
$$(37+45)/2 = 41$$
.

Hence, the answer is option a.





(a) 8

(b) 9

(c) 4

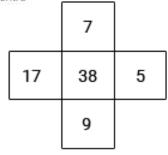
(d) 25

Explanation: The two ends of each line contain a number and its square -5. e.g. $15^2 - 5 = 220$, $18^2 - 5 = 319$.

So, missing number $=3^2 - 5 = 4$.

So answer is option c.





	17	
32	84	11
	24	

	57	
52	?	49
	48	

(a) 70

(b) 206

(c) 106

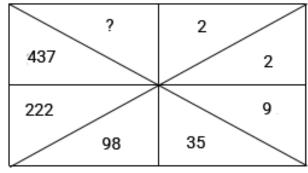
(d) 100

Explanation: The pattern is middle number is sum of extreme terms.

So, missing number = 52 + 48 + 49 + 57 = 206.

So the answer is **option b.**





(a) 832 (b) 777 (c) 245

(d) 779

Explanation: By going in clockwise direction we find the following pattern

$$2 + 1^3 - 1 = 2$$
;

$$2 + 2^3 - 1 = 9$$
;

$$9 + 3^3 - 1 = 35$$

$$35 + 4^3 - 1 = 98;$$
 $98 + 5^3 - 1 = 222;$

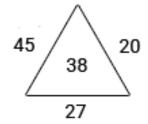
$$98 + 5^3 - 1 = 222$$

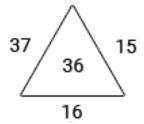
$$222 + 6^3 - 1 = 437$$

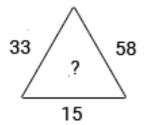
and 437+7³-1=**779**

Hence, the answer is option d.









Explanation: The pattern is as follows

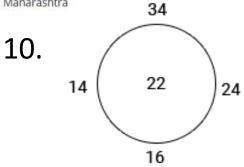
$$45 + 20 - 27 = 38;$$
 $37 + 15 - 16 = 36;$

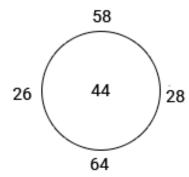
$$37 + 15 - 16 = 36;$$

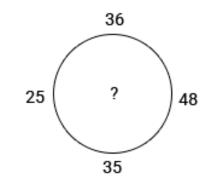
so
$$33 + 58 - 15 = 76$$

so answer is option a.





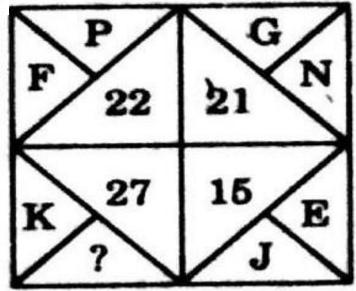




Explanation: The pattern is: number in the circle is average of numbers outside the circles.

So missing number is
$$(25 + 36 + 48 + 35)/4 = 36$$
 so answer is option a.





(a) M (b) P (c) Q (d) S

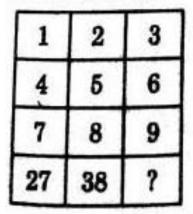
Solution

$$J + E = 10 + 5 = 15$$
.

Since K = 11, so value corresponding to missing letter = (27 - 11) = 16.

Hence, the answer is (b).





(a) 49

(b) 50

(c) 51

(d) 52

Solution

In the second column, $(5 \times 8) - 2 = 48$.

So, missing number = $(6 \times 9) - 3 = (54 - 3) = 51$.

Hence, the answer is (C)



1	4	9	?
1	2	3	4
2	4	6	?

(a) 16,8

(b) 49,7

(c) 36,4

(d) 25,5

Explanation: Answer: A) 16,8

The numbers in the first row form a series 1^2 , 2^2 , 3^2 .

So, missing number in the first row = 4^2 = 16.

The number in the second row from the series, 1, 2, 3, 4.

The number in the third row from the series 2, 4, 6.

So, missing number in the third row = 6 + 2 = 8.